

APPENDIX D – DIPOLE VALIDATION PLOTS

Dipole 450 MHz

SAM I Phantom: Flat Section: Position: (90°,90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(6.88,6.88,6.88); Crest factor: 1.0; Brain 450 MHz: $\sigma = 0.86$ mho/m $\epsilon_r = 43.2$ $\rho = 1.00$ g/cm³Cubes (2): SAR (1g): 4.99 mW/g ± 0.04 dB, SAR (10g): 3.22 mW/g ± 0.02 dB

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Powerdrift: -0.02 dB

Comment:

Dipole Validation (D450V2/ S.N: 1007)

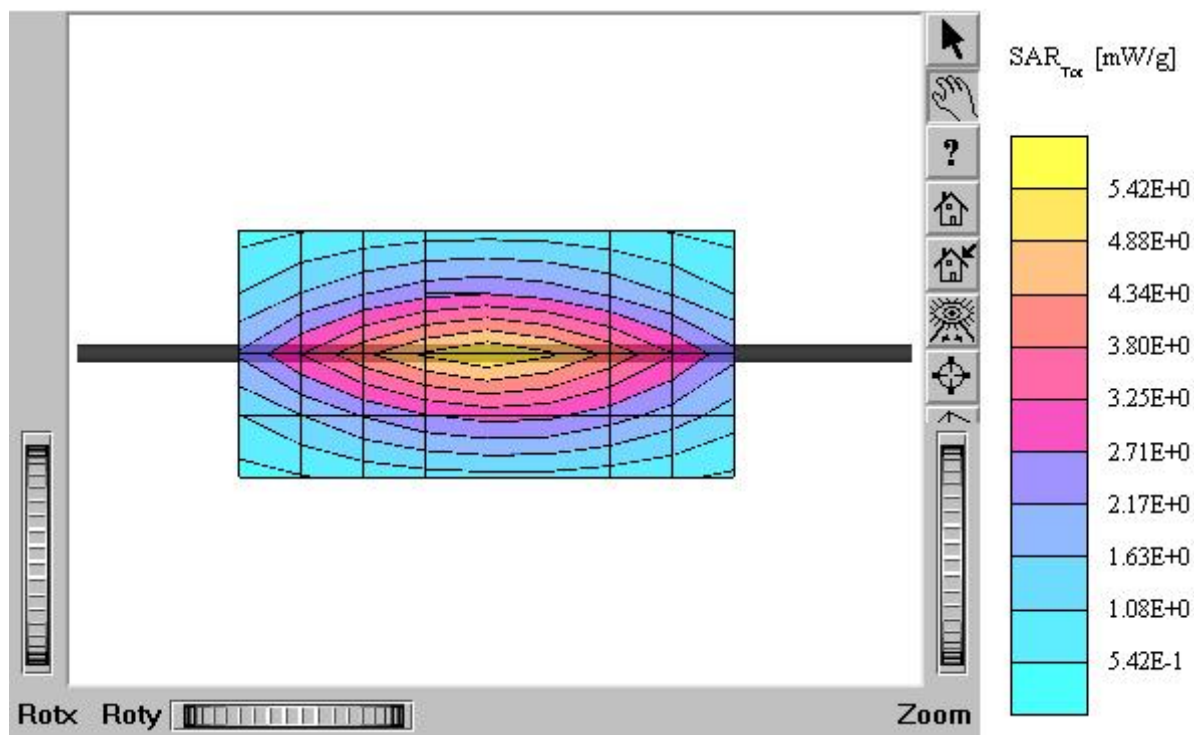
450MHz Brain

Antenna Input Power: 30dBm (1 W)

HCT Co., Ltd. Brain Tissue Simulating Liquid

Liquid Temperature : 21.2 °C

Date Tested : March 18, 2004



Dipole 450 MHz

SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz

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Cube 5x5x7: Dx = 8.0, Dy = 8.0, Dz = 5.0

Comment:

Dipole Validation (D450V2/ S.N: 1007)

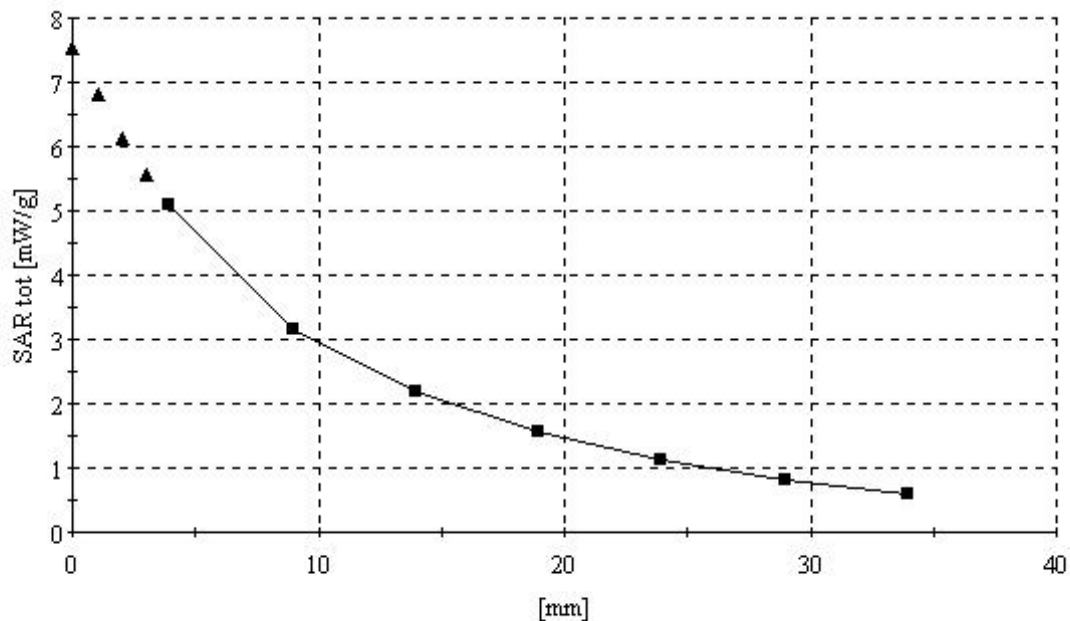
450MHz Brain

Antenna Input Power: 30dBm (1 W)

HCT Co., Ltd. Brain Tissue Simulating Liquid

Liquid Temperature : 21.2 °C

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SubTitle : 450 MHz Brain

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Frequency	e'	e''
400.000000 MHz	44.1685	36.6972
405.000000 MHz	44.0999	36.4033
410.000000 MHz	44.0565	36.2045
415.000000 MHz	43.9103	35.9848
420.000000 MHz	43.7202	35.6471
425.000000 MHz	43.6628	35.5155
430.000000 MHz	43.5790	35.1953
435.000000 MHz	43.4579	35.0038
440.000000 MHz	43.3548	34.6612
445.000000 MHz	43.2498	34.4210
450.000000 MHz	43.1983	34.2715
455.000000 MHz	43.1108	34.0010
460.000000 MHz	43.0434	33.7331
465.000000 MHz	42.8202	33.6226
470.000000 MHz	42.8588	33.3745
475.000000 MHz	42.6920	33.0748
480.000000 MHz	42.7042	32.9378
485.000000 MHz	42.6005	32.8397
490.000000 MHz	42.3507	32.6814
495.000000 MHz	42.2344	32.3677
500.000000 MHz	42.1536	32.2583

SubTitle : 450 MHz Body

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Frequency	e'	e''
400.000000 MHz	56.1431	40.5743
405.000000 MHz	56.1970	40.3603
410.000000 MHz	56.0922	40.0226
415.000000 MHz	56.0541	39.7010
420.000000 MHz	56.0737	39.3040
425.000000 MHz	56.0096	39.1123
430.000000 MHz	55.8635	38.9003
435.000000 MHz	55.7833	38.6017
440.000000 MHz	55.6489	38.3198
445.000000 MHz	55.5854	37.9917
450.000000 MHz	55.5239	37.6698
455.000000 MHz	55.6028	37.4780
460.000000 MHz	55.3993	37.2897
465.000000 MHz	55.4389	37.1309
470.000000 MHz	55.2219	36.9813
475.000000 MHz	54.9833	36.7487
480.000000 MHz	54.9209	36.3854
485.000000 MHz	54.8790	36.2040
490.000000 MHz	54.7053	35.9827
495.000000 MHz	54.5849	35.6668
500.000000 MHz	54.6553	35.4205